

MAY 02 2005

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**TRANSMITTAL  
FORM**

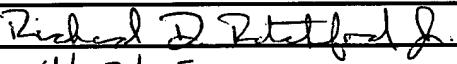
(to be used for all correspondence after initial filing)

|  |    |                        |                        |
|--|----|------------------------|------------------------|
|  |    | Application Number     | 10/750,599             |
|  |    | Filing Date            | December 29, 2003      |
|  |    | First Named Inventor   | Jae-wan KIM            |
|  |    | Art Unit               | 2816                   |
|  |    | Examiner Name          | Hai L. Nguyen          |
| Total Number of Pages in This Submission | 15 | Attorney Docket Number | 8021-173 (SS-19015-US) |

**ENCLOSURES (Check all that apply)**

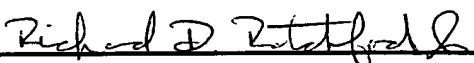
|  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form                     | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance communication to Technology Center (TC)        |
| <input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input checked="" type="checkbox"/> Amendment/Reply                          | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Change of Correspondence Address                 | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Terminal Disclaimer                              | 1. One (1) Replacement Sheet of Fig. 14   |
| <input type="checkbox"/> Information Disclosure Statement                    | <input type="checkbox"/> Request for Refund                               | 2. Return Postcard  |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s) _____                        |   |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application   |   |   |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |   |
| Remarks  |   |   |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|                         |   |
|-------------------------|---|
| Firm or Individual name | Richard D. Ratchford Jr., Reg. No. 53,865, F.Chau & Associates, LLC                 |
| Signature               |  |
| Date                    | 4/27/05   |

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

|                       |   |
|-----------------------|---|
| Typed or printed name | Richard D. Ratchford Jr.  |
| Signature             |  |
|                       | Date 4/27/05  |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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In re application of: Jae-wan KIM  
Serial No.: 10/750,599

Group: Art Unit 2816

Filed: December 29, 2003

Examiner: Hai L. Nguyen

For: DEVICE FOR CONTROLLING A FREQUENCY RESPONSE BY SCALING AN IMPEDANCE

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT TRANSMITTAL FORM

Sir:

Transmitted herewith is an amendment in the above-identified application.

- [ ] Small entity status of this application under 37 C.F.R. § 1.9 and 1.27 has been established by a verified statement previously submitted.  
 [ ] A verified statement to establish small entity under 37 C.F.R. § 1.9 and 1.27 is enclosed.  
 [X] No additional fee is required.

The fee has been calculated as shown below:

| (Col. 1)   | (Col. 2)                              | (Col. 3)            | SMALL ENTITY             | OTHER THAN<br>SMALL ENTITY |
|--|---------------------------------------|---------------------|--------------------------|----------------------------|
| CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT            | HIGHEST NO.<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA    | ADDIT.<br>RATE FEE<br>OR | ADDIT.<br>RATE FEE         |
| TOTAL 18   | MINUS 20                              | = 0                 | X 25 \$                  | X 50 \$ 0                  |
| INDEP. 2   | MINUS 3                               | = 0                 | X 100 \$                 | X 200 \$ 0                 |
| □ FIRST PRESENTATION OF MULTIPLE DEP. CLAIM X 180 \$ |                                       |                     |                          | X 360 \$                   |
|  |                                       | TOTAL<br>ADDIT. FEE | OR TOTAL<br>\$ 0         |                            |

- \* If the entry in Co. 1 is less than entry in Col. 2, write "0" in Col. 3.
- \*\* If the "Highest No. Previously Paid for" IN THIS SPACE is less than 20, enter "20".
- \*\*\* If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, enter "3". The Highest No. Previously Paid For" (Total or indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

- [ ] Please charge Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_. Two (2) copies of this sheet are enclosed.  
 [ ] Credit Card Payment Form PTO-2038 for \$ \_\_\_\_\_ is enclosed.  
 [X] Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Respectfully submitted,

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 27, 2005.

Dated: 4/27/05

Richard D. Ratchford Jr.  
Richard D. Ratchford Jr.



JFW

**PATENT APPLICATION****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Jae-wan Kim DOCKET: 8021-173 (SS-19015-US)  
SERIAL NO.: 10/750,599 GROUP ART UNIT: 2816  
FILED: December 29, 2003 EXAMINER: Nguyen, Hai L.  
FOR: DEVICE FOR CONTROLLING A FREQUENCY RESPONSE  
BY SCALING AN IMPEDANCE

Box Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT UNDER 37 C.F.R. § 1.111**

Sir:

In response to the Office Action dated February 9, 2005, please consider  
the following amendments and remarks.

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

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Washington, D.C. 20231 on April 27, 2005

Dated: 4/27/05

  
Richard D. Ratchford Jr.